Original / Duplicate / Triplicate AGB/H)SBR 66/13-14

CONTRACT CERTIFICATE

(For Other Works)

Date 28.6.2013

Division: Hebbal 222 | 29-6-13 Sub-Division:

Bill Received No..... Dated..... Cash Book Voucher No..... Dated.....

Scheduled Docket No.

Name of Work (as per sanctioned estimate) PROVIDING WATER SUPPLY AT GOVINDAPPA LAYOUT IN WARD NO. 18

Name of Contractor and Full Address: Sri. S. Umashankar

PAN: TIN:

Reference to Agreement No. EE/H/AE/WO/ 61/12-13 dt: 25/06/2012 Est Cost Rs. 5.00 Lakhs

Certified that the measurement were taken by me on 28/6/13 and recorded of pages 159681-92 of measurement Book No. 1597/2011-12 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 28/6 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with which the finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer

Hebbal Sub-Division

Queens Road,

Bhruth Bangalore Mahanagara Palike

Bangalore - 52.

If memorandum of Payment

1) Total value of work done or supplies made as per account within

2) Being amount to be held in reserve being.....percent Rs

Balance

3) Deduct Payment:

a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....

b) Amount adjusted towards cash advance recovery of

c) Payments cost store or other materials supplied.

d) Any sums recovery of amount creditable to this/other work

e) Any sums paid on this bill Cheque/Cash

f) Balance being unpaid Value of work done held in reserve

g) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments

4) Net amount due to or from contractor

Unadjusted items

5) Advance to contractor for materials brought to site (as detailed) within

Value of Government materials supplied

Total Rs:	4,97,023-00
ST-	4970-00
KST-	19881-00
Cess-	5000-00
CBF-	497-00
Penalty-	5100-00
Adj-:	35448-00
Cheque:	461575-00

CODE NUMBER: 018-12-000051

Contractor's Signature

Received ..... (in Words)

by Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

(For use in the Officer)

Dated.....Signature of Contractor

New Agency.

Head of Account P: 1802 Water Supply. 497023

Audited & Admitted for Rs. 497023-00

Passed for Rs. 461575-00

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Sl.No:	Description	Items grouped under sub-heads and sub-works of
1	Carrying out geophysical survey Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS or PWSS by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth 1.0 mtrs in consolidated formation for aquifer proposed to be tapped probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., complete as per specifications and direction of the Engineer-in-Charge	
2	Sinking of borewell of 165mm clear using super fast hydraulic rig of capacity 250 PSIG & above 900 MCF & above in all strata including over burden upto 22m, fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc., complete including yield testing at the final depth with a minimum working of compressor for one hour, all as specified Upto 50mtrs depth etc., complete as per specifications and direction of the Engineer-in-Charge	
2(a)	Above 50mtrs upto 100mtrs.	
2(b)	Above 100 mtrs upto 150 mtrs.	
2©	Abov 150 mtrs upto 200 mtrs.	
2(D)	Above 200mts upto 250mts	
2(E)	Above 250mts upto 300mts	
3	Supply of ISI mark 175 nominal bore, plain end steel casing pipe grade of steel free 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7mtrs., both end threaded confirming to IS 554/1985, one end fixed with socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10kg mtr., (inclusive of all taxes and durties) prices include collar medium duty etc., complete as per specifications and direction of the Engineer-in-Charge	
4	Providing 175mm dia MS collar etc., complete as per specifications and direction of the Engineer-in-Charge	
5	Providing 175mm dia. bore cap etc., complete as per specifications and direction of the Engineer-in-Charge	
6	Supply and deliveryt of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfied in BIS with ISI mark with a mininmum efficiency of 42% pump shall Confirm to IS 8034/2002 and motor confotrming to IS 9283/1995 with ISI certification with latest amendments for the following etc., complete as per specifications and direction of the Engineer-in-Charge	
7	Providing & fixing in galvanised/ mild steel tubes (Heavy class as per IS 1239 part-1990) 65mm dia nominal bore with all fittings including cost of all materials labour charges HOM of equipment and jointing and testing etc., complete as per specifications and direction of the Engineer-in-Charge	
8	Supply heavy duty galvanized / mild steel color suitable for 65mm dia normal bore galvinzed /mid steel etc., complete as per specifications and direction of the Engineer-in-Charge	
9	Supply of galvanized / mild steel union suitable for 65mm dia. nominal bore galvanized/ mild steel tube etc., complete as per specifications and direction of the Engineer-in-Charge	
10	Supply of galvanized/mild steel elbow suitable for 65mm dia. nominal bore galvanized / mild tube etc., complete as per specifications and direction of the Engineer-in-Charge	
11	Supply of non return valve suitable for 50mm nominal bore galvanized / mild steel tube etc., complete as per specifications and direction of the Engineer-in-Charge	
12	Suppling of on load changes over swithches 4 poles, 415v 5hz Ac supply 100-125 amps Group A etc., complete as per specifications and direction of the Engineer-in-Charge	
13	Supplying and fully automatic star-delta unit push button type with suitable wires, 3 contractors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 440/440 volts 3 phase and wired after to the existing wooden board for motor 12.5 HP etc., complete as per specifications and direction of the Engineer-in-Charge	
14	Supply,fixing and wiring rotary selector swith suitable for voltameter etc., complete as per specifications and direction of the Engineer-in-Charge	
15	Supplying shunt capacitors conforming to SI 2843 3 phase	

Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
	Qty	Cost	Qty	Rate Rs. P.	Cost	Qty	Cost	
Nos	—	—	1.00	1995.00	1995.00	1.00	1995.00	
Rmtrs	—	—	50.00	301.00	15050.00	50.00	15050.00	
Rmtrs	—	—	50.00	397.00	19850.00	50.00	19850.00	
Rmtrs	—	—	50.00	443.00	22150.00	50.00	22150.00	
Rmtrs	—	—	50.00	487.00	24350.00	50.00	24350.00	
Rmtrs	—	—	50.00	538.00	26900.00	50.00	26900.00	
Rmtrs	—	—	50.00	577.00	28850.00	50.00	28850.00	
Rmtrs	—	—	24.00	1391.00	33384.00	24.00	33384.00	
Nos	—	—	6.00	157.00	942.00	6.00	942.00	
Nos	—	—	1.00	105.00	105.00	1.00	105.00	
Nos	—	—	1.00	49560.00	49560.00	1.00	49560.00	
Mtrs	—	—	99.20 100.00	491.00	48707 49100.00	99.20 100.00	48707 49100.00	
Nos	—	—	33.60 35.00	448.00	14784 15680.00	33.00 35.00	14784 15680.00	
Nos	—	—	33 35.00	462.00	15246 16170.00	33.00 35.00	15246 16170.00	
Nos	—	—	33.60 35.00	196.00	6468.00 6860.00	33.00 35.00	6468 6860.00	
Nos	—	—	1.00	1169.00	1169.00	1.00	1169.00	
Nos	—	—	1.00	10337.00	10337.00	1.00	10337.00	
Nos	—	—	1.00	5948.00	5948.00	1.00	5948.00	
Nos	—	—	1.00	277.00	277.00	1.00	277.00	
Nos	—	—	1.00	277.00	277.00	1.00	277.00	

16	Erection of single phase preventor ammeters / including fixing selector switch / current operated earth leakage circuit breakers voltage operated earth leakage circuit breakers voltage operated circuit breaker / above 100A fuse channel set (3 Nos) HRC fuses above 100A (3 Nos) including wiring using suitable capacity wires, bolts, nuts, screws etc, including transportation charges from stores to spot etc., complete as per specifications and direction of the Engineer-in-Charge	
17	Fixing of shut capacitor..... KVAR capacity with necessary clamps, bolts and nuts to an existing wooden or metal board including banking of more than one capacitor. Upto 5KVAR, etc., complete as per specifications and direction of the Engineer-in-Charge	
18	Fabrication, supplying and mounting 1200x900x350mm MS box made out of 18SWG suitable for floor/wall mounting, fully weather proof with double slanted top as per drawing with provision for better heat dissipation provided with hinged front cover with clear clamped to the door on EB meter side to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with approved colour enameled metal paint etc., complete. box of 36200 sqcm etc , complete as per specifications and direction of the Engineer-in-Charge	
19	Supplying & fixing miniature circuit breakers/ isolators on existing MCB distribution boards using necessary fixing materials and wiring complete as required. 32 to 63amps triple pole etc., complete as per specifications and direction of the Engineer-in-Charge	
20	Supplying, fixing of special type lamps on exicting board of halogen lamps etc., complete as per specifications and direction of the Engineer-in-Charge	
21	Supplying & fixing angle iron frame work fabricated out of MS angle iron and MS flat with bolts, nuts, washers etc., and painted with 2 coats of red oxide and other two coats of approved paint. (a) Angle iron 40x40x6mm etc., complete as per specifications and direction of the Engineer-in-Charge	
22	Supplying and running of CI Copper strips or groundig connectios using necessary fixing materials requiredof 600x600x3mm GI pipe etc., complete as per specifications and direction of the Engineer-in-Charge	
23	Supplying & fixing angle iron frame work fabricated out of MS angle iron and MS flat with bolts, washers etc.75x75x6mm etc., complete as per specifications and direction of the Engineer-in-Charge	
24	Supplying & drawing each PVC insulated 650/100V grade wire in the conduit (open or concealed systems of wiring) 7/0.036" (7/20) (Remarks: Copper Wire) etc., complete as per specifications and direction of the Engineer-in-Charge	
25	Supplying and running GI/Copper conductor for grounding and (along with other wires of CTS or conduit system of wiring) using if necessary suitable size clamps bolts and nuts and washers etc.,(P-38 I-10, (c) 8SWG GI Wire etc., complete as per specifications and direction of the Engineer-in-Charge	
26	Supplying and fixing cast aluminium round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100Watts 230V GLS lamp as required Group B (other approved make) etc., complete as per specifications and direction of the Engineer-in-Charge	
27	Supplying & drawing 3crore flat PVC sheithed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor conferming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheithed suitable for working voltage upto 1100V C. 4Sq.mm of 56 strands 0.3mm dia Group A etc., complete as per specifications and direction of the Engineer-in-Charge	
28	Supplying & replacing one of the fuse cutouts having porcelain base of approved quality on the existing wooden block and wired etc., complete as per specifications and direction of the Engineer-in-Charge	
29	Supplying & fixing of Danger / No Admission / No Smoking board made out of MS sheet metal with two coats of Non corrosive enameled paint etc., complete as per specifications and direction of the Engineer-in-Charge	
30	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia. 2.90mm thick GI pipe 2.5mtr. long buried in a pit. The Pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 120mm dia. bolt, nuts, washers and checknuts etc., the pipe shall have 16 through of 122mm dia etc.. complete as per specifications and direction of the Engineer-in-Charge	
31	Supplying and LTUG cable having aluminium conductor PVC insulated sheathed, galvanized steel wire/steel tape armoured cable with PVC outsheating 1.1KV class (conforming to IS 1554) 4 core 16sqmm PVC cable etc., complete as per specifications and direction of the Engineer-in-Charge	
32	Labour charges for laying 1.1kV class UG cable when supplied departmentally/agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required. (P-59 I-10(a) 6sqmm to 16sqmm etc., complete as per specifications and direction of the Engineer-in-Charge	

Nos	—	—	1.00	1575.00	1575.00	1.00	1575.00	
Nos	—	—	3.00	115.00	345.00	3.00	345.00	
Nos	—	—	1.00	8259.00	8259.00	1.00	8259.00	
Nos	—	—	1.00	2194.00	2194.00	1.00	2194.00	
Nos	—	—	1.00	150.00	150.00	1.00	150.00	
Nos	—	—	1.00	242.00	242.00	1.00	242.00	
Nos	—	—	1.00	1126.00	1126.00	1.00	1126.00	
Nos	—	—	1.00	496.00	496.00	1.00	496.00	
Nos	—	—	1.00	207.00	207.00	1.00	207.00	
Mtrs	—	—	10.00	16.00	160.00	10.00	160.00	
Nos	—	—	5.00	167.00	835.00	5.00	835.00	
Mtrs	—	—	300.00	167.00	50100.00	300.00	50100.00	
Nos	—	—	6.00	242.00	1452.00	6.00	1452.00	
Nos	—	—	1.00	47.00	47.00	1.00	47.00	
Nos	—	—	1.00	1732.00	1732.00	1.00	1732.00	
Mtrs	—	—	40.00	167.00	6680.00	40.00	6680.00	
Rmtrs	—	—	40.00	5.00	200.00	40.00	200.00	
Rmtrs	—	—	35.00	57.00	1995.00	35.00	1995.00	
					2540.00	10.00	2540.00	

35	Supplying & fixing LT Iron pot heads suitable for 1.1KV class UG Cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts and nuts and washers etc., 15sqmm 2/4 cores. etc., complete as per specifications and direction of the Engineer-in-Charge	
36	Supplying & fixing guy set for items 1a) and b) (wherever span exceeds 10mm) formed out of not less than 4mm (8SWG) GI Wire with eye bolt or 10mm) formed out of not less than 12mmdia with cement concerning work including one break insulator as per approved drawing. If a suitable wall or RCC roof is not available for anchoring guy sets the anchoring has to be done by fixing GI wire to the rafter of the title or absetors etc., complete as per specifications and direction of the Engineer-in-Charge	
37	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary pipe liens and electrical conduits either in pits in trenches upto 600mm in width (note 1 to KSRB 2.2 page 10) in hard soil not exceeding 1.5m depth including the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods co etc., complete as per specifications and direction of the Engineer-in-Charge1x20.00x0.60x0.90	
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.50m. including cost of all labour 1x20.00x0.60x0.90 -10.80 etc., complete as per specifications and direction of the Engineer-in-Charge	
39	Providing and fixing in trenches galvanized / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings including cost of all materials, labour charges, HOM of equipment and testing etc., complete as per specifications and direction of the Engineer-in-Charge	
40	Providing and installation at site work P.V.C. pipes including cost of pipes and specials and labour including lowering into trenches, laying true to line level and perfect linking of joints, leak proof including jointing of approved type with all labour and lift charges with an initial lead of 5kms. including encasing the pipe alround to a depth not less than 15cms. with gravel or selected earth available from the excavation etc., complete. 63mm (6KSC) etc., complete as per specifications and direction of the Engineer-in-Charge	
41	Providing & fixing gun metal wheel valve conforming to IS specification of approved make as per direction including all lead and lift etc., complete. 50mm dia etc., complete as per specifications and direction of the Engineer-in-Charge	
42	KSRRB M200-12.2: Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification a) Lime/Cement concrete. I.By Manual means : A. Lime/Cement Concrete, I.By Manual means : B.cement concrete Grade M-15 & M-20 etc., complete as per specifications and direction of the Engineer-in-Charge	
43	KSRB 2 - 2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods 2x27mtsx0.80x0.60=29.16 etc., complete as per specifications and direction of the Engineer-in-Charge	
44	Providing and fixing PVC of 63mm dia 6kg/cm2 etc., complete as per specifications and direction of the Engineer-in-Charge	
45	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with lead upto 50m. and lift upto 1.5m etc., complete as per specifications and direction of the Engineer-in-Charge	
46	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and lift upto 1.5m including cost of all labour etc., complete as per specifications and direction of the Engineer-in-Charge	
47	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 20mm nominal OD pipes etc., complete as per specifications and direction of the Engineer-in-Charge	
48	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube20mm dia nominal bore with fittings (medium grade weight 1.65 kg/ mtr)B class including cost of all materials, labour charges, HOM of equipments and testing etc., complete as per specifications and direction of the Engineer-in-Charge	
49	KSRB 13.6.3-7 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc., complete as per specifications and direction of the Engineer-in-Charge	
50	KSRB 13.6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal	

Nos	—	—	1.00	277.00	277.00	1.00	277.00	
Nos	—	—	1.00	183.00	183.00	1.00	183.00	
Cum	—	—	10.80	223.00	2408.40	10.80	2408.40	
Cum	—	—	10.80	60.00	648.00	10.80	648.00	
Rmtrs	—	—	4.00	314.00	1256.00	4.00	1256.00	
Mtrs	—	—	20.00	1391.00	27820.00	20.00	27820.00	
Nos	—	—	1.00	2071.00	2071.00	1.00	2071.00	
Cum	—	—	9.71	302.00	2932.42	9.71	2932.42	
Cum	—	—	29.16	223.00	6502.68	29.16	6502.68	
Rmtrs	—	—	10.00	1391.00	13910.00	10.00	13910.00	
Cum	—	—	7.08	1343.00	9508.44	7.08	9508.44	
Cum	—	—	14.57	100.00	1457.00	14.57	1457.00	
Rmtrs	—	—	62.00 ~~62.40~~	122.00	7564.00 ~~7612.80~~	62.00 ~~62.40~~	7564.00 ~~7612.80~~	
Rmtrs	—	—	~~31.20~~ 31.00	~~175.00~~	5425.00 ~~5460.00~~	31.00 ~~31.20~~	5425.00 ~~5460.00~~	
Nos	—	—	3.00	2071.00	6213.00	3.00	6213.00	
Mtrs	—	—	26.00	142.00	3692.00	26.00	3692.00	

52	GI pipe fittings SOCKET 20MM etc., complete as per specifications and direction of the Engineer-in-Charge	
53	Lead for Disposal of Debries shell be payabel at Carriage rates by Mechanical means incLuding loading and unloading. From 00.00 to 10.00Km Conveying etc., complete as per specifications and direction of the Engineer-in-Charge	
	TOTAL	

CERTIFICATE:-

1. This is certificate that the contractor has removed the debris from the work spot.
2. The contractor has done the work satisfactorily.
3. There are no dues from the contractor.
4. The above work comes under BBMP limits.
5. The above contractor has purchased materials from the private lorry owner only.

Asst. Executive Engineer
Hebbal Sub-Division
Queens Road.
Bhruth Bangalore Mahanagara Palike
Bangalore - 560 001

Nos	—	—	26.00	18.00	468.00	26.00	468.00	
Cum	—	—	9.71	97.00	941.87	9.71	941.87	
	Total			Total	503586.61		503586.61	

Rs: 4,97,023.00 Rs: 4,97,023.00